

## **REVIEW OF ACTION ITEMS RESULTING FROM CGMS-XXXII**

The present document prepared by the CGMS Secretariat describes the status of completion of actions by the various CGMS Members as of 14 May 2004 according to the information provided by the Members to the Secretariat.

**LIST OF ACTIONS FROM CGMS XXXI**  
**Status of 14 May 2004**

<b>Permanent Actions</b>	<b>Status</b>
1. All CGMS Members to inform the Secretariat of any change in the status or plans of their satellites to allow the updating of the CGMS Tables of Satellites. <b>Deadline: 30 April 2004</b>	<b>Closed.</b>
2. The Secretariat to review the tables of current and planned polar and geostationary satellites, and to distribute this updated information, via the WWV Operational Newsletter, via Electronic Bulletin Board, or other means as appropriate. <b>Deadline: 30 April 2004</b>	<b>Closed-</b>
3. EUMETSAT, Japan and USA to provide the agreed set of reporting statistics on IDCS performance and report to CGMS Secretariat and WMO on a regular basis. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <u>NOAA-WP-18</u> .
4. CGMS Members to update the CEOS/WMO Consolidated Database as appropriate and at each CGMS meeting. <b>Deadline: 30 April 2004</b>	<b>Ongoing.</b>
5. CGMS Members to report on anomalies from solar events at CGMS meetings. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <u>NOAA-WP-04</u> .
6. All CGMS satellite operators to review the Transition Tables for LRIT/LRPT and provide any updates as appropriate at every CGMS plenary meeting. <b>Deadline: 30 April 2004</b>	<b>Closed.</b>
7. CGMS Members to update their relevant sections of the CGMS Consolidated Report as appropriate and to send their updates to the Secretariat at least 2 months prior to every CGMS plenary meeting. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> Updates not required for CGMS XXXII, as EUM-WP-11 will present a new structure. JMA provided updates.

8. CGMS satellite operators to update Table 5 for polar-orbiting satellite equator crossing times on an annual basis. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT,ESA, NOAA.</b> EUMETSAT sent updates on 04/05/04.
9. CGMS members to provide information for WMO database for satellite receiving equipment, as appropriate. <b>Deadline: 30 April 2004</b>	<b>Ongoing.</b> See <u>NOAA-WP-16</u> .
10. CGMS members to review the list of available list servers used by CGMS groups and update as appropriate. <b>Deadline: 30 April 2004</b>	<b>Ongoing.</b>
11. CGMS Members to update the Table on polar orbiting satellite equator crossing times as well as the Table on coverage from geostationary satellites. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT, ESA, NOAA.</b> EUMETSAT sent updates on 04/05/04. JMA also sent updates.

<b>Actions from CGMS XXX</b>		<b>Status</b>
30.18	CGMS members to consider FWIS as well as the WMO Core Metadata profile within the context of the ISO Standard for Geographic Metadata (ISO 19115), when changing/implementing processing and dissemination systems (after FWIS approval).	<b>Closed</b> and reformulated in Action 31.46 and 31.47. See <u>WMO-WP-23</u> and <u>NOAA-WP-22</u> .
30.33	NOAA/NESDIS is invited to present a paper on AMVs from both MODIS instruments on Terra and Aqua satellites, respectively, at IWW7. <b>New deadline: 14 June 2004</b>	<b>Closed.</b> A paper will be presented at IWW7 in June 2004.
30.38	WMO to develop a detailed description of the goal for data, product and services expected from each of the nominal positions for both polar and geostationary orbits for use in contingency planning.	<b>Closed.</b> There will be an agenda item at next session of OPAG IOS Expert Team on Satellite System Utilisation planned in 2004.

<b>Actions from CGMS XXXI</b>		<b>Status</b>
31.01	Following a request expressed at a EUMETSAT workshop with Arab countries in February 2003, EUMETSAT made a request that India make METSAT data available to Arab region countries. India indicated that this might be possible through the planned use of a Worldspace broadcast satellite. More details would be provided in due course. <b>Deadline: 30 April 2004</b>	<b>Open.</b>
31.02	NOAA to consider maintaining the GEO coverage (including sounder data) in the Pacific region and not de-orbit the GOES-8 satellite.	<b>Closed.</b> See <u>NOAA-WP-08</u> .
31.03	NOAA to study the request for data coverage sounder in the southern hemisphere from GOES-9. Current requirements came from N.W.S. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <u>NOAA-WP-09</u> .
31.04	New members of CGMS to provide information on their R&D satellites. <b>Deadline: 30 April 2004</b>	<b>Closed for ESA</b> (see <u>ESA-WP-01</u> and <u>ESA-WP-02</u> ), <b>JAXA, Rosaviakosmos and NASA</b> ( <u>NASA-WP-02</u> ). <b>Open.</b> <u>NOAA-WP-06</u> withdrawn.
31.05	USA to regularly inform CGMS and the World Meteorological Organization (WMO) on the technical specifications for the L-band and X-band direct readout broadcast services on NPOESS. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <u>WMO-WP-26</u> .
31.06	WMO to propose a template to contain detailed information on CGMS satellite systems (incl. the R&D satellites), noting data available in the CEOS database. <b>Deadline: 31 December 2003</b>	<b>Closed.</b> See <u>WMO-WP-26</u> .
31.07	CGMS Members to complete the required information in the template by CGMS XXXII. <b>Deadline: 30 April 2004</b>	<b>Pending.</b> See information missing and still required in <u>WMO-WP-26</u> .

31.08	CGMS Members to consider continued geostationary coverage over the Indian Ocean beyond 2005 in order to provide WMO Members the necessary satellite data in support of their national mandates. <b>Deadline: 30 April 2004</b>	<b>Open</b> for EUMETSAT, as need for discussion in EUMETSAT Council in June 2004. <b>Closed for NOAA</b> ( <u>NOAA-WP-10</u> ).
31.09	CGMS members to consider processing of data from functioning satellite instruments for as long as possible. <b>Deadline: 30 April 2004.</b>	<b>Closed for JMA</b> ( <u>JMA-WP-08</u> ), <b>ESA</b> (ERS-2 operations funded until mid 2005), <b>NOAA</b> ( <u>NOAA-WP-11</u> ). <b>Open</b> for EUMETSAT, as need for discussion in EUMETSAT Council in June 2004.. <b>Closed for NASA</b> ( <u>NASA-WP-01</u> ).
31.10	R&D satellite operators are encouraged to make their data available for routine near real time use. <b>Deadline: 30 April 2004</b>	
31.11	CGMS satellite operators to consider the IOC satellite requirements, especially the data dissemination methods, bearing in mind the ongoing formations of GOOS Regional Alliances (GRAs). <b>Deadline: 30 April 2004</b>	<b>Ongoing.</b> EUMETSAT proposes to make this a permanent action. <b>Closed for ESA</b> ( <u>ESA-WP-04</u> ) and <b>NOAA</b> ( <u>NOAA-WP-12</u> ).
31.12	CGMS Members to indicate their activities aimed at completion of the actions and timetable described in the Implementation Plan for the Virtual Laboratory, approved by CGMS-XXIX and contained as Appendix B to <u>WMO-WP-17</u> . <b>Deadline: 30 April 2004</b>	<b>Closed for ESA</b> ( <u>ESA-WP-05</u> ), <b>EUMETSAT</b> ( <u>EUM-WP-10</u> ), <b>for JMA</b> ( <u>JMA-WP-06</u> ) and <b>NOAA</b> ( <u>NOAA-WP-13</u> ).
31.13	CGMS Members to support, as appropriate, the second session of the CGMS VL Focus Group to be held 15-16 December, 2003 in Barbados. <b>Deadline: 16 December 2003</b>	<b>Closed.</b>

31.14	CGMS Members were asked to update their contact information for the CGMS Consolidated Report Drafting Committee and for the new CGMS members to nominate a point of contact for the Drafting Committee. <b>Deadline: 31 December 2003</b>	<b>Closed for ESA, EUMETSAT, NOAA, IMD, IOC, JMA, JAXA, WMO.</b> Email list will be published in Report.
31.15	CGMS Secretariat to develop a new structure for the CR. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See EUM-WP-11.
31.16	CGMS members to form a focus group to further examine the Global Education and Science Network, which should meet before CGMS XXXII and present a way forward at CGMS XXXII.	<b>Closed.</b> See WMO-WP-24.
31.17	CGMS Secretariat to invite CNES to CGMS XXXII. <b>Proposed Deadline: 31 December 2003</b>	<b>Closed.</b> CNES has accepted invitation to become a member and was invited to CGMS XXXII.
31.18	CGMS Members to notify the ITU (if required) before 1 January 2004 of those Met-Sat Earth Stations operating in the band 1670 – 1675 MHz. <b>Deadline: 31 December 2003</b>	<b>Closed for NOAA</b> (email of 11/02/04). N/A for JMA (email of 14/04/04).
31.19	KARI to take into account ITU Recommendation SA.1158 when finalising its downlink frequency plan for the meteorological payload of the planned Geostationary satellite. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> KARI sent an email on 1 May 2004.
31.20	CGMS members are invited to raise the problems of a potential implementation of Short Range Radar equipment operating in the frequency band 21 – 27 GHz with their responsible national frequency administrations. <b>Deadline: 31 January 2004</b>	<b>Closed for NOAA</b> (email of 11/02/04). N/A for JMA.
31.21	KARI and CMA to co-ordinate their frequency plans for FY-2 at 123° East and the planned Korean spacecraft COMS, to be operated at 116° East.	<b>Closed.</b> KARI sent an email on 1 May 2004.
31.22	USA to provide more precise details of its requirement for the temporary use of IDCS channels to assist the transition of DCP operators to HDR systems, including a schedule of implementation. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See NOAA-WP-17.

31.23	WMO and IOC are tasked with a review of requirements for the IDCS in the near and long term (up to 15 years). <b>Deadline: 30 April 2004</b>	<b>Closed.</b> ASAP Panel wish to retain existing IDCS channel and frequency allocations for ASAP in med. term. ASAP will return to IDCS in future because cost factor.
31.24	Satellite operators to nominate experts i) as point of contact for visible and infrared calibration of operational and R&D sensors, and ii) participants to the relevant meeting of the CEOS Cal/Val Working Group in 2004. <b>Deadline: 31 January 2004</b>	<b>Closed for ESA, EUMETSAT, NOAA, JMA.</b> There will not be a participant from JMA this year.
31.25	Satellite operators to generate a bibliography of calibration papers/reports and submit them at the next CGMS. <b>Deadline: 30 April 2004</b>	<b>Closed for NOAA</b> (email of 05/02/04 and NOAA-WP-19), <b>EUMETSAT</b> (EUM-WP-17), <b>JMA</b> (email of 14/04/04), <b>ESA</b> (ESA-WP-06).
31.26	Satellite operators to present papers at the next CGMS relating experiences using R&D sensors (such as AIRS, MODIS, MERIS, MISR, MTVZA, ...) to improve calibration of operational sensors). <b>Deadline: 30 April 2004</b>	<b>Closed for ESA</b> (ESA-WP-07), <b>EUMETSAT</b> (EUM-WP-12), <b>NOAA</b> (NOAA-WP-20).
31.27	EUMETSAT to request, in written form, from all geostationary satellite operators (hourly) VIS channel observations for a common period of one month in late 2002 when MODIS, MISR and MERIS data are also available. <b>Deadline: 30 November 2003</b>	<b>Closed.</b> Report in <u>EUM-WP-14</u> .
31.28	All geostationary satellite operators to provide the VIS data requested according to Action 31.27 to EUMETSAT. <b>Deadline: 31 January 2004</b>	<b>Closed for JMA, NOAA.</b> N/A for ESA.
31.29	(1) CGMS Members to note and support the upcoming IPWG science meeting. (2) CGMS Members to provide and update the inventory of routinely produced precipitation estimates, either operational or experimental/research, along with training information to the IPWG co-chairs via the IPWG web page. (3) CGMS Members to provide information to the IPWG Rapporteur on areas for future consideration by the IPWG. <b>Deadline: 31 May 2004</b>	<b>Open</b> to be closed after CGMS XXXII. See <u>ESA-WP-08</u> , <u>NOAA-WP-21</u> .

31.30	Satellite operators to review the satellite data BUFR descriptors in the WMO Codes Forms used for exchange of satellite data (as detailed in <u>WMO-WP-10</u> ) and provide suggestions, remarks, or requests as necessary to the WMO Satellite Programme for communication to the CBS Chair OPAG ISS. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT</b> ( <u>EUM-WP-15</u> ), <b>NOAA</b> ( <u>NOAA-WP-22</u> ), <u>N/A for ESA</u> .
31.31	Satellite operators to report on their plans to consider the metadata recommendations in <u>EUM-WP-22</u> when re-transcribing their data archives. <b>Deadline: 30 April 2004</b> .	<b>Closed for NOAA</b> ( <u>NOAA-WP-23</u> ) and <b>EUMETSAT</b> . Verbal report to be given in WG II. <u>N/A for ESA</u> .
31.32	All space agencies to provide information specifically addressing the ten GCOS climate monitoring principles related to the space based component of the Global Observing System in a manner similar to EUM-WP-10. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT, ESA</b> ( <u>ESA-WP-09</u> ) and <b>NOAA</b> ( <u>NOAA-WP-24</u> ).
31.33	CGMS XXXI requests IWW7 to address the following AMV related topics within the break-out working groups at IWW7 and/or on the basis of contributed papers to IWW7: <ul style="list-style-type: none"> <li>- Meso-scale and nowcasting applications</li> <li>- Regional scale modeling</li> <li>- Height assignment</li> <li>- Polar winds</li> <li>- Rapid scans</li> <li>- Re-analysis of AMVs</li> <li>- AMV versus radiance assimilation in 4-d var systems</li> <li>- Upper level wind divergence (climatologies and other applications)</li> <li>- Image pre-processing (e.g. cloud filtering)</li> </ul> <b>Deadline: 14 June 2004</b>	<b>Closed.</b> Agenda for IWW7 has been fixed. Will be discussed in WG II.
31.34	CGMS XXXI requests NESDIS to consider submission of paper to IWW7 on preparatory work on the derivation of AMVs from high-spectral resolution IR sounding instruments (e.g. GIFTS). <b>Deadline 14 June 2004</b>	<b>Closed.</b> See <u>NOAA-WP-25</u> .



31.35	CGMS to request that Windsat Coriolis evaluation be performed in the manner similar to AIRS (with distribution of data sets for outside evaluation as soon as possible) as a matter of urgency. NOAA is asked to report on pertinent steps at the next CGMS. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <a href="#">NOAA-WP-26</a> .
31.36	CGMS satellite operators to inform CGMS XXXII on plans to achieve the goal that all geostationary imagers should be upgraded to at least the level of SEVIRI by the 2015 timeframe; and frequent IR sounding should be made by high resolution spectrometers within the same timeframe. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT and NOAA</b> ( <a href="#">NOAA-WP-29</a> ). N/A for ESA
31.37	EUMETSAT, NESDIS and WMO to prepare a paper on the International Geostationary Laboratory (IGL) that would be a joint undertaking to provide a platform for demonstrations from geostationary orbit of new sensors and capabilities. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <a href="#">EUM-WP-18</a> and <a href="#">NOAA-WP-30</a> .
31.38	ESA to report to CGMS XXXII on its activities related to a MW sounder from geostationary orbit. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <a href="#">ESA-WP-10</a> .
31.39	CGMS Secretariat and WMO to assemble all materials related to Global Contingency Plans, including those found in CGMS and in WMO reports, and consolidate them into a CGMS Global Contingency Plan.	<b>Closed.</b> See <a href="#">WMO-WP-05</a> .
31.40	EUMETSAT and NESDIS to investigate whether due to the increased dissemination bandwidth on NPOESS L-band the frequency overlap issues could cause any problems for operational orbit scenarios. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> ( <a href="#">EUM-WP-19</a> and <a href="#">NOAA-WP-32</a> ).
31.41	NESDIS to raise the issue of using the full ISO standard for geographic metadata in the framework of the FWIS inter programme task team. <b>Deadline: 30 September 2004</b>	<b>Closed.</b> Email was sent on 11 May 2004.

31.42	NESDIS to provide CGMS with further details of its MCUT development. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <a href="#">NOAA-WP-33</a> .
31.43	WMO to modify the layout of the LRIT/LRPT transition tables taking ADM into account. <b>Deadline: 31 December 2003</b>	<b>Closed.</b> See <a href="#">WMO-WP-03</a> .
31.44	CGMS members to include information on ADM services in the CGMS transition tables for LRIT/LRPT and WMO to make this information available via the WMO website. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> EUMETSAT and NOAA sent emails.
31.45	CGMS members to indicate actions enabling global networking of the ADM implementations in view of a smooth exchange of specific ADM contents among differing ADM systems.	<b>Closed for ESA</b> ( <a href="#">ESA-WP-11</a> ), <b>EUMETSAT</b> ( <a href="#">EUM-WP-20</a> ) and <b>NOAA</b> ( <a href="#">NOAA-WP-34</a> ).
31.46	CGMS members to consider the FWIS concept (notion of DCPC, catalogue/metadata standards, protocols) when changing/implementing processing and dissemination systems.	<b>Ongoing.</b> This is recommended to be made a permanent action. <b>Closed for NOAA</b> ( <a href="#">NOAA-WP-34</a> ).
31.47	CGMS members to consider WMO Core Metadata profiles within the context of the ISO Standard for Geographic Metadata (ISO 19115).	<b>Ongoing.</b> This is recommended to be made a permanent action. <b>Closed for NOAA</b> ( <a href="#">NOAA-WP-34</a> ).
31.48	CGMS members to actively pursue the issue of ADM on a global basis and to ensure the interoperability of those systems. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT</b> ( <a href="#">EUM-WP-20</a> ), <b>NOAA</b> ( <a href="#">NOAA-WP-34</a> )
31.49	WMO to report on the output of the questionnaire on dissemination requirements to CGMS. <b>Deadline: 30 April 2004</b>	<b>Pending.</b> WMO EC LXVI to agree on composition of InterProgramme Task Team June 2004. Questionnaire responses due 09/2004. <b>Closed for NOAA</b> ( <a href="#">NOAA-WP-34</a> ).

31.50	NOAA to inform WMO on its latest schedule for LRIT transition. <b>Deadline: 30 April 2004</b>	<b>Closed.</b> See <u>NOAA-WP-34</u> .
31.51	CGMS members to consider the use of off the shelf components for ADM user stations because this would allow easier adaptation of the station to match future growth in the dissemination system and to accommodate changing user requirements and report to CGMS XXXII. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT (EUM-WP-20), JMA (JMA-WP-09) and NOAA (NOAA-WP-34).</b>
31.52	CGMS to investigate further data protection techniques appropriate for a global “alternative distribution system” and report to CGMS XXXII. <b>Deadline: 30 April 2004</b>	<b>Closed for EUMETSAT (EUM-WP-20).</b>